

Unitree H1 STARTS A NEW INDUSTRIAL REVOLUTION

The most powerful general-purpose humanoid robot of its counterparts with similar specifications in the world.

- Self-developed high-torque joint motors
- 360° panoramic perception
- Dexterity for force-controlled movements and operations



Total Dimensions	About 47kg
Walking Speed	> 1.5m/s(potential speed>5m/s)
Battery	Battery capacity 15Ah (0.864KWh), Max. Voltage 67.2V
Control and Recognition Computing Power	2 × Intel Core i7-1265U
Sensor Configuration	3D LIDAR + Depth Camera
Key Dimensions	(1520+285) × 570 × 220mm
Thigh and Shin Length	400mm ×2
Total Arm Length	338mm ×2
DOF of Each Leg	5 (Hip×3+Knee×1+Ankle×1)
DOF of Each Arm	4 (Expandable)
Knee Torque	About 360N.m
Hip Joint Torque	About 220N.m
Ankle Torque	About 45N.m
Arm Joint Torque	About 75N.m
Flexible Fingers	Optional

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